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NOTICE OF ALLOWANCE AND FEE(S) DUE

2352

7590

09/14/2009

OSTROLENK FABER GERB & SOFFEN 1180 AVENUE OF THE AMERICAS NEW YORK, NY 100368403 EXAMINER

YU, JAE UN

ART UNIT PAPER NUMBER

2185 DATE MAILED: 09/14/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/586,549	07/19/2006	Henry Tan	P/2778-84	6234

TITLE OF INVENTION: PORTABLE DATA STORAGE DEVICE USING A MEMORY ADDRESS MAPPING TABLE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$755	\$300	\$0	\$1055	12/14/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

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If the SMALL ENTITY is shown as NO:

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B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

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III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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						(Depositor's name)
						(Signature)
						(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	3	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/586,549	07/19/2006		Henry Tan		P/2778-84	6234
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a. Applicant claims	cus (from status indicated s SMALL ENTITY statu	is. See 37 CFR 1.27.	☐ b. Applicant is no los	nger claiming SMALI	ENTITY status. See 37 C	
interest as shown by the r	ecords of the United Sta	tes Patent and Trademark	Office.	appressin, a regist	anome, or agent, or t	
Authorized Signature				Date		
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10/586,549	07/19/2006	Henry Tan	P/2778-84	6234	
2352 7	590 09/14/2009		EXAMINER		
OSTROLENK F	ABER GERB & SOI	YU, JAE UN			
1180 AVENUE OF THE AMERICAS			ART UNIT	PAPER NUMBER	
NEW YORK, NY	100368403		2185		
			DATE MAILED: 09/14/2009		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 288 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 288 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
	10/586,549	TAN ET AL.	
Notice of Allowability	Examiner	Art Unit	
	JAE U. YU	2185	
The MAILING DATE of this communication appeal all claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R	(OR REMAINS) CLOSED or other appropriate comm IGHTS. This application is	n this application. If not included unication will be mailed in due cours	se. THIS
1. This communication is responsive to <i>RCE 6/22/2009</i> .			
2. ☑ The allowed claim(s) is/are <u>1-5 and 7-21</u> .			
 Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). * Certified copies not received:	e been received. e been received in Applicati	on No	rom the
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		e a reply complying with the requirer	ments
 A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 			CE OF
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") mus (a) ☐ including changes required by the Notice of Draftspers 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the company of the paper No./Mail Date	son's Patent Drawing Revie s Amendment / Comment on .84(c)) should be written on he header according to 37 C sit of BIOLOGICAL MAT	or in the Office action of the drawings in the front (not the back FR 1.121(d). TERIAL must be submitted. Note	
attached Examiner's comment regarding REQUIREMENT Attachment(s) 1. □ Notice of References Cited (PTO-892) 2. □ Notice of Draftperson's Patent Drawing Review (PTO-948)	5.	nformal Patent Application Summary (PTO-413),	
3. ☐ Information Disclosure Statements (PTO/SB/08),		/Mail Date s Amendment/Comment	
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. ⊠ Examiner's	s Statement of Reasons for Allowand	ce

DETAILED ACTION

The examiner acknowledges the applicant's submission of a RCE dated 6/22/2009.

Conclusion

Α. Subject Matter Considered Allowable

Claims 1-5 and 7-21 are allowable.

The primary reasons for allowance of **claim 1** in the instant application is the combination with the inclusion in these claims that "to copy any data stored in other portions of the first physical address region, originally associated with the logical address region containing the logical address, to corresponding locations of the second physical address region, and to move the pointer in a round-robin manner to indicate a location of a next one of the plurality of queuing physical address regions in the block queue so that the location of the first physical address is placed, following said modification of the memory address mapping table, at a **rear of the block queue**". The prior art of record neither anticipates nor renders obvious the above recited combination.

The primary reasons for allowance of <u>claims 16 and 21</u> in the instant application is the combination with the inclusion in these claims that "following a modification of the memory address mapping table in relation to a first logical address, and prior to said copying of the data from the first physical address to the second physical address, said similarity criterion is whether the second WRITE instruction relates

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to a logical address corresponding to a location designated by the first logical address of the data to be copied, and when the similarity criterion is satisfied, aborting said copying operation and instead writing data specified by the second WRITE instruction to the second physical address". The prior art of record neither anticipates nor renders obvious the above recited combination.

<u>Claims 2-5, 7-15 and 17-20</u> are allowable due to their dependency on the allowed claims 1, 16 and 21.

B. Direction of Future Remarks

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jae Un Yu who is normally available from 9:00 A.M. to 5:30 P.M. Monday thru Friday and can be reached at the following telephone number: (571) 272-1133.

If attempts to reach the above noted examiner by telephone are unsuccessful, the Examiner's supervisor, Sanjiv Shah, can be reached at the following telephone number: (571) 272-4098.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic

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Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Jae U Yu/

Examiner, Art Unit 2185

8/30/2009

/Sanjiv Shah/

Supervisory Patent Examiner, Art Unit 2185